

SABIC Innovative Plastics LNP THERMOCOMP MF002S PP (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

LNP* THERMOCOMP* MF002S is a compound based on Polypropylene resin containing Glass Fiber. Added features include: Heat Stabilized.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-LNP-THERMOCOMP-MF002S-PP-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	0.970 g/cc	0.0350 lb/in ³	ISO 1183
Water Absorption	0.010 % @Time 86400 sec	0.010 % @Time 24.0 hour	ISO 62-1
Linear Mold Shrinkage, Flow	0.0030 - 0.0070 cm/cm	0.0030 - 0.0070 in/in	SABIC Method

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	51.0 MPa	7400 psi	5 mm/min; ISO 527
Tensile Strength, Yield	53.0 MPa	7690 psi	5 mm/min; ISO 527
Elongation at Break	4.1 %	4.1 %	5 mm/min; ISO 527
Elongation at Yield	4.0 %	4.0 %	5 mm/min; ISO 527
Tensile Modulus	2.80 GPa	406 ksi	1 mm/min; ISO 527
Flexural Yield Strength	74.0 MPa	10700 psi	2 mm/min; ISO 178
Flexural Modulus	2.30 GPa	334 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	8.00 kJ/m ²	3.81 ft-lb/in ²	80*10*4; ISO 180/1A
Izod Impact, Unnotched (ISO)	35.0 kJ/m ²	16.7 ft-lb/in ²	80*10*4; ISO 180/1U

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	68.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	37.8 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2
CTE, linear, Transverse to Flow	15.0 Åµm/m-Å°C @Temperature 23.0 - 60.0 Å°C	8.33 Åµin/in-Å°F @Temperature 73.4 - 140 Å°F	ISO 11359-2

Deflection Temperature at 0.46 MPa Thermal Properties (107 (psi))	145 Â°C Metric	293 Â°F English	Flatw 80*10*4 sp=64mm; ISO 75/Bf Comments
Deflection Temperature at 1.8 MPa (264 psi)	106 Â°C	223 Â°F	Flatw 80*10*4 sp=64mm; ISO 75/Af

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